Contribution ID: 269 Type: not specified

Multilevel integration for meson propagators: disconnected contributions

Monday, July 23, 2018 3:20 PM (20 minutes)

We combine multi-level integration with a variance-reduction technique for the stochastic estimate of disconnected diagrams of various bilinear operators, and present preliminary numerical results with O(a)-improved Wilson fermions.

Primary author: Dr HARRIS, Tim (Milano Bicocca)

Co-authors: Dr NADA, Alessandro (DESY Zeuthen); Prof. GIUSTI, Leonardo (Milano Bicocca); Dr SCHAEFER,

Stefan (DESY Zeuthen)

Presenter: Dr HARRIS, Tim (Milano Bicocca)

Session Classification: Algorithms and Machines

Track Classification: Algorithms and Machines